

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037000.D
 Acq On : 22 Aug 2024 10:00
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050262

Quant Time: Aug 23 04:46:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	685224	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	635575	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	311327	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	387458	40.354	ug/L	0.00
7) Chloroethane-d5	1.532	69	353116	42.995	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	192906	41.706	ug/L	0.00
21) 2-Butanone-d5	3.841	46	171671m	98.220	ug/L	0.00
24) Chloroform-d	4.240	84	899929	46.604	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	410374	46.199	ug/L	0.00
32) Benzene-d6	4.947	84	1767646	46.412	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	543330	45.166	ug/L	0.00
41) Toluene-d8	7.236	98	1649969	47.530	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	199614	49.620	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	109645	110.921	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	300299	47.041	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	508930	45.668	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	478527	44.713	ug/L	100
3) Chloromethane	1.217	50	566974	45.758	ug/L	99
5) Vinyl chloride	1.282	62	575881	46.929	ug/L	100
6) Bromomethane	1.487	94	368652	47.236	ug/L	100
8) Chloroethane	1.548	64	365620	47.171	ug/L	98
9) Trichlorofluoromethane	1.709	101	780801	48.189	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	478894	47.957	ug/L	99
12) 1,1-Dichloroethene	2.066	96	441796	47.505	ug/L	94
13) Acetone	2.156	43	213133m	111.795	ug/L	
14) Carbon disulfide	2.233	76	1476970	47.961	ug/L	99
15) Methyl Acetate	2.384	43	174697	51.298	ug/L	94
16) Methylene chloride	2.439	84	498749	36.592	ug/L	99
17) trans-1,2-Dichloroethene	2.683	96	495340	48.658	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	1024959	48.599	ug/L	99
19) 1,1-Dichloroethane	3.101	63	950558	47.966	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	540252	49.477	ug/L	99
22) 2-Butanone	3.915	43	227493	135.124	ug/L	99
23) Bromochloromethane	4.137	128	211597	48.831	ug/L	96
25) Chloroform	4.269	83	932422	48.137	ug/L	99
27) 1,2-Dichloroethane	5.037	62	525977	49.655	ug/L	99
29) Cyclohexane	4.561	56	805692	48.866	ug/L	98
30) 1,1,1-Trichloroethane	4.500	97	781738	48.778	ug/L	99
31) Carbon tetrachloride	4.719	117	668848	49.449	ug/L	100
33) Benzene	4.998	78	2016885	48.678	ug/L	100
34) Trichloroethene	5.822	95	567130	48.487	ug/L	98
35) Methylcyclohexane	6.037	83	889449	49.182	ug/L	99
37) 1,2-Dichloropropane	6.088	63	505708	50.524	ug/L	100
38) Bromodichloromethane	6.426	83	625376	50.302	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	737180	50.147	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	437065	103.669	ug/L	99
42) Toluene	7.307	91	2147938	49.483	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	575283	51.730	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	319023	48.568	ug/L	98
46) Tetrachloroethene	7.895	164	389022	47.042	ug/L	97
48) 2-Hexanone	8.082	43	322055	109.737	ug/L	96
49) Dibromochloromethane	8.172	129	362974	50.228	ug/L	98
50) 1,2-Dibromoethane	8.278	107	297001	50.102	ug/L	98
51) Chlorobenzene	8.809	112	1344524	48.504	ug/L	99
52) Ethylbenzene	8.940	91	2442231	49.897	ug/L	100
53) m,p-Xylene	9.066	106	912651	50.187	ug/L	98
54) o-Xylene	9.471	106	877191	50.497	ug/L	99
55) Styrene	9.490	104	1476304	51.492	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	295511	48.595	ug/L	95
59) Bromoform	9.661	173	180740	51.261	ug/L	98
60) Isopropylbenzene	9.860	105	2414462	49.186	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	241890	48.181	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	2004910	49.887	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	1986529	50.712	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	1008236	48.060	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	1000828	47.762	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	870250	47.879	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	48084	48.932	ug/L	89
69) 1,3,5-Trichlorobenzene	12.577	180	700336	47.902	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	568584	48.598	ug/L	100
71) Naphthalene	13.432	128	886736	50.312	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	476397	49.179	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

